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WHAT IS CLAIMED IS:

1. An indirubin compound having anti-cancer property to human cancer cell line and property for inducing apoptosis to leukemia cell line by inducing differentiation as CDK inhibitor representing the following formulas (I) \sim (VII).

$$H \xrightarrow{4'} \xrightarrow{3'} \xrightarrow{2'} \xrightarrow{3} \xrightarrow{NH}$$

$$H \xrightarrow{7'} H \xrightarrow{NH}$$

$$(I)$$

H
$$\frac{4^{1}}{3^{1}}$$
 $\frac{2^{1}}{2^{1}}$ $\frac{3^{1}}{2^{1}}$ $\frac{2^{1}}{1^{1}}$ $\frac{3^{1}}{2^{1}}$ $\frac{1}{1^{1}}$ $\frac{1}{1$

H

NOH

$$\begin{array}{c}
1 \\
1 \\
1
\end{array}$$

NOH

 $\begin{array}{c}
2^{1} \\
2^{1}
\end{array}$
 $\begin{array}{c}
1 \\
1
\end{array}$
 $\begin{array}{$

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Br
$$\frac{4^{1}}{3^{1}}$$
 $\frac{3^{1}}{2^{1}}$ $\frac{2^{1}}{3}$ $\frac{3^{1}}{2^{1}}$ $\frac{2^{1}}{1}$ $\frac{3^{1}}{2^{1}}$ (IV)

$$H \xrightarrow{4'} \xrightarrow{3'} \xrightarrow{2'} \xrightarrow{3} \xrightarrow{1'} \xrightarrow{1'} H$$

$$(V)$$

$$\begin{array}{c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & &$$

NOH
$$\frac{4^{1}}{7^{1}}$$
 $\frac{3^{1}}{1}$ $\frac{2^{1}}{1}$ $\frac{3}{1}$ $\frac{2^{1}}{1}$ $\frac{3}{1}$ $\frac{N}{1}$ $\frac{N}{1}$

2. An anti-cancer composition comprising 0.1~80 wt% of at least one compounds represented by above formulas (I)~(VII) and pharmaceutically acceptable carrier.

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3. The anti-cancer composition according to claim 2, wherein the formulation of said anti-cancer composition is injection, capsule, tablet, solution or pellet.